

# GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 22 (IL 78)	16R	Whiteside	201	7
FED ROAD DIST. NO.	ILLINOIS	PROJECT		

Contract No. 64656

See cross sections for special ditches and backslopes.

The removal of Bituminous Surfacing not on a rigid type base removed in conjunction with the base shall be removed as EARTH EXCAVATION. The removal of Bituminous Surfacing on a rigid type base removed in conjunction with the base shall be included in the contract unit price for PAVEMENT REMOVAL of the type specified.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 6 (modified) shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1 (modified). Class 6 (modified) shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.

Previously pugmilled stockpiles of "Type A" older than 1 month will not be approved for use until a moisture check is run to verify moisture content. Material shipped to projects without being tested will not be accepted.

Placement and compaction of Trench Backfill for AR culverts shall conform to Section 502.10 of the Standard Specifications except that the material shall be compacted to a minimum of 95% of standard laboratory density. The entire excavation within 2' outside of each shoulder shall be backfilled with Trench Backfill material. The pay limits for Trench Backfill shall extend from 2' outside each vertical culvert wall at the base of the culvert floor and shall extend vertically to the bottom of the proposed subgrade. This work shall be included in the unit price per Cubic Yard for TRENCH BACKFILL.

Except for the top 75 mm (3"), all aggregate bases and subbases 300 mm (12") in thickness shall be constructed of aggregate gradation CA-2. If the specified thickness exceeds 300 mm (12"), the bases or subbases shall be constructed of topsize 150 mm (6") breaker-run crushed stone with 15% to 40% by weight passing the 50 mm (2") size sieve, except for the top 75 mm (3"). The breaker-run crushed stone shall be reasonably uniformly graded from coarse to fine and be taken from a quarry ledge capable of producing Class "D" quality aggregate. The top 75 mm (3") shall be gradation CA-6 or CA-10 regardless of thickness. The water necessary to achieve compaction in all but the top 75 mm (3") layer may be added after the subbase or base course is placed on the grade.

The existing bituminous surface on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL BITUMINOUS SURFACING.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface	Level Binder	Binder	Top Shoulder	Bottom Shoulder
PG:	PG 64-22	PG 64-22	PG 64-22	PG 58-22	PG 58-22
RAP%: (Max)	10	15	15	30	50
Design Air Voids	4.2 @ N70	4.2 @ N70	4.2 @ N70	3.0 @ N50	2.0 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 9.5	IL 19.0	IL 9.5 or 12.5	BAM
Friction Aggregate	D	N/A	N/A	C	N/A
20 Year ESAL	.66	.66	.66	N/A	N/A

The Contractor will be required to furnish 140 mm (5 1/2") high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 150 mm (6") inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

Reflective Crack Control shall be placed on the existing surface prior to any resurfacing, unless pavement is milled then it will be placed on the binder course.

On full depth pavement, shoulder widths of 1.8 m (6 ft) or less maybe placed, at the Contractor's option, simultaneously with the adjacent traffic lane for both the binder and surface courses, provided the cross slope of both the pavement and shoulder can be satisfactorily obtained. The shoulder will be paid for at the contract unit price per Square Meter (Square Yard) for BITUMINOUS SHOULDERS of the thickness specified on the plans.

Install a "TO ACTUATE SIGNAL" sign for the traffic signal detector loops. The detail of this sign is included in the plans. This work will be included in the cost of TRAFFIC CONTROL AND PROTECTION STANDARD 701316.

The material necessary to backfill the culvert extensions shall be obtained from Grading and Shaping Ditches and shall be included in the contract unit price for GRADING AND SHAPING DITCHES.

The proposed pipes for entrances and side roads shall be placed in line with the existing or proposed ditch line.

If, during the grinding or resurfacing operations, the existing mailboxes become a hindrance, the Contractor shall be required to carefully remove and reinstall the mailboxes as directed by the Engineer. This work shall be included in the contract unit price for the INCIDENTAL BITUMINOUS SURFACING.

The millings from the Bituminous Surface Removal shall be stockpiled at the Illinois Department of Transportation Maintenance Yard near Ogden Road/IL 78 (Lt. Sta. 549+00). Once the material is stockpiled the material will become the property of the Illinois Department of Transportation. Coordination shall be done with Illinois Department of Transportation Field Tech – Dave Weber at (815) 535-6384 for the location to stockpile the material. Estimated: 1290 tons of Millings. The cost shall be included in the contract unit price for the Bituminous Surface Removal specified.

All Earth Excavation (Waste) for the project shall be stockpiled at the Illinois Department of Transportation Maintenance Yard near Ogden Road/IL 78 (Lt. Sta. 549+00). Once the material is stockpiled the material will become the property of the Illinois Department of Transportation. Coordination shall be done with Illinois Department of Transportation Field Tech – Dave Weber at (815) 535-6384 for the location to stockpile the material. Estimated: 10,167 cubic yards of waste. The cost shall be included in the contract unit price per cubic yard for Earth Excavation.

The Contractor shall salvage existing delineators within the project limits and place one at each headwall or end section of AR culverts. The work shall be included in the contract unit price for GRADING AND SHAPING DITCHES.

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 2.4 m (8 feet) high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 200 mm (8"), not 180 mm (7") as shown in the detail of Typical Lane and Edge Lines.

PERMANENT SURVEY MARKERS, TYPE II shall be set at intervals of (1 mile) or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near structure. All existing control needs to be transferred to the proposed permanent survey markers prior to any work being done that will disturb the existing control. Contact the Chief of Surveys at Illinois Department of Transportation District 2 office prior to placing any permanent survey markers for determination of the actual location to be placed.

Aggregate Base Course, Type B, is provided in the plan quantities and shall be used only as needed when directed by the Engineer.